

Converting Colors

XYZ(37.8582, 51.3657, 65.6787)

Have a look what the booklet for
XYZ(37.8582, 51.3657, 65.6787)
contains.

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Color

**XYZ(37.8465, 51.3606,
65.6765)**

Conversions

Conversions Part 1

Format	Color
Hex	5DCFCD
RGB	93, 207, 205
RGB Percent	36%, 81%, 80%
CMY	0.6353, 0.1882, 0.1961
CMYK	0.55, 0.00, 0.01, 0.19
HSL	179°, 54%, 59%
HSV	179°, 55%, 81%
XYZ	37.8465, 51.3606, 65.6765
YIQ	172.6860, -67.3020, -24.7900

Conversions

Conversions Part 2

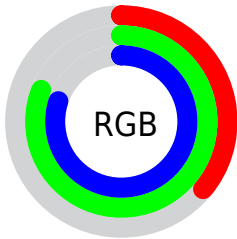
Format	Color
RYB	93, 151, 207
Decimal	6148045
CIELab	76.90, -32.57, -8.82
CIELCh	77, 33.744, 195.147
Yxy	51.3606, 0.2444, 0.3316
Android (android.graphics.Color)	4284338125 (0xFF5DCFCF)
YUV	172.6860, 15.9308, -69.8846
Hunter-Lab	71.6663, -31.1514, -4.1682

Details

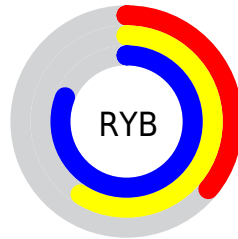
The XYZ color **37.8465, 51.3606, 65.6765** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.7138, 21.9219, 13.3881**, and the grayscale version is **39.5082, 41.5657, 45.2650**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **16.9801, 24.7764, 33.1655** is the 20% darker color. If you saturate the color by 10%, you get **35.9847, 50.4071, 65.3617**, and if you desaturate by 10%, it is **40.2784, 52.6104, 66.0208**.

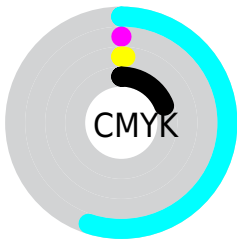
Distribution



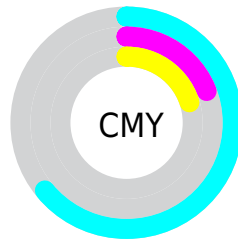
- Red (36%)
- Green (81%)
- Blue (80%)



- Red (36%)
- Yellow (59%)
- Blue (81%)



- Cyan (55%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)



- Cyan (64%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8465, 51.3606, 65.6765 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.8465, 51.3606, 65.6765 by changing the saturation by 10% instead.

37.8465, 51.3606,
65.6765

37.8465, 51.3606,
65.6765

328.2533,
391.9632, 463.5916

26.0402, 36.4957,
47.5550

71.1782, 92.1876,
114.6445

16.9866, 24.8173,
33.1171

93.4344, 118.9184,
146.3280

10.3202, 15.9410,
21.9444

119.9046,
150.3733, 183.3694

5.6756, 9.4824,
13.6181

150.9542,
186.9368, 226.1870

2.6876, 5.0571,
7.7198

186.9485,
228.9931, 275.1996

0.9908, 2.2808,
3.8310

228.2528,

0.0000, 0.7635,

276.9266, 330.8255

1.5331

275.2327,
331.1219, 393.4833

■ 0.0000, 0.0000,
0.2424

■ 0.0000, 0.0000,
0.0000

■ 37.8465, 51.3606,
65.6765

■ 37.8465, 51.3606,
65.6765

■ 35.9847, 50.4071,
65.3617

■ 40.2784, 52.6104,
66.0208

■ 34.6416, 49.7197,
65.0705

■ 43.3177, 54.1721,
66.3929

■ 33.7642, 49.2725,
64.8017

■ 47.0034, 56.0671,
66.7958

■ 33.2862, 49.0311,
64.5521

■ 51.3705, 58.3133,
67.2312

■ 33.1371, 48.9567,
64.4333

■ 56.4511, 60.9273,
67.7004

■ 62.2755, 63.9248,
68.2050

■ 68.8720, 67.3202,
68.7463

■ 74.9277, 70.4369,
69.2628

■ 74.9724, 70.4548,
69.4985

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.8327, 51.3606, 47.3429



37.8465, 51.3606, 65.6765



40.6193, 51.3606, 84.9091

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.8465, 51.3606, 65.6765



58.0991, 51.3606, 84.7398



52.0492, 51.3606, 28.2432

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.8465, 51.3606, 65.6765



31.7138, 21.9219, 13.3881

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.0489, 51.3606, 34.4217



37.8465, 51.3606, 65.6765



61.7442, 51.3606, 65.4816

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.8465, 51.3606, 65.6765



52.1131, 51.3606, 97.4495



61.7250, 51.3606, 47.1863



45.6623, 51.3606, 28.2730

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8465, 51.3606, 65.6765



43.8111, 51.3606, 94.5175



61.7250, 51.3606, 47.1863



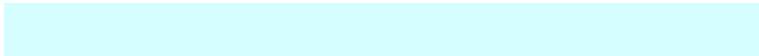
54.1897, 51.3606, 29.5911

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.8480, 51.3626, 65.6777



80.7382, 92.6362, 107.5917



29.1987, 47.9484, 18.0733



16.9678, 19.6667, 22.9983



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8480, 51.3626, 65.6777



57.2403, 80.5629, 104.6658



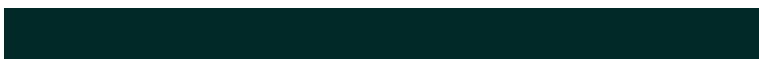
27.3010, 29.8793, 63.3620



12.1491, 13.4034, 15.1413



20.8810, 30.8453, 40.6152



1.1705, 1.7258, 2.2864

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.7138, 21.9219, 13.3881



46.4548, 28.7602, 12.6990



38.0195, 34.6772, 15.0468



11.8170, 11.8116, 12.3124



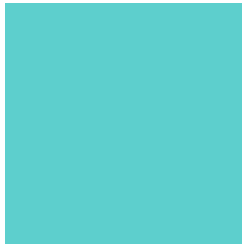
16.2286, 8.3643, 0.8440



0.9104, 0.4689, 0.0631

Previews

White Background



This preview shows how the XYZ color 37.8465, 51.3606, 65.6765 looks on a white background.

Color Contrast Check

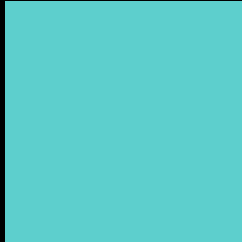
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.8465, 51.3606, 65.6765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

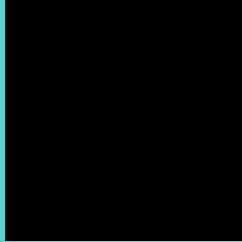
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

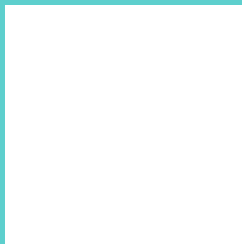
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8465, 51.3606, 65.6765

Background



This preview shows how black text looks on a background with the XYZ color 37.8465, 51.3606, 65.6765.

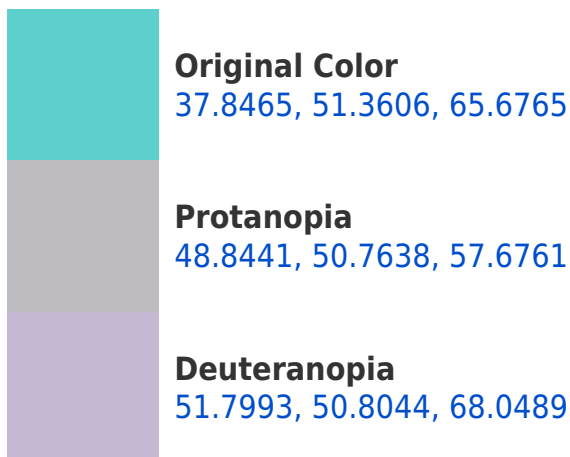


This preview shows how white text looks on a background with the XYZ color 37.8465, 51.3606,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

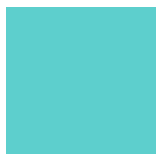




Tritanopia

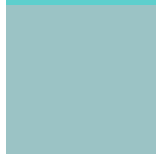
40.0281, 51.5358, 76.2443

Trichromacy



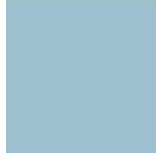
Original Color

37.8465, 51.3606, 65.6765



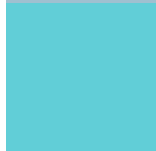
Protanomaly

43.1107, 50.0300, 60.2079



Deuteranomaly

44.5329, 49.6243, 66.9058



Tritanomaly

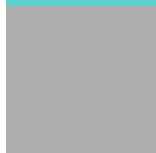
39.2668, 51.5903, 72.1783

Monochromacy



Original Color

37.8465, 51.3606, 65.6765



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.6075, 44.1300, 52.4348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8465, 51.3606, 65.6765 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(93, 207, 205)` looks like.

```
.text, #text, p{  
    color:rgb(93, 207, 205)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(93, 207, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 207, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.8465, 51.3606, 65.6765 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 207, 205) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(93, 207, 205) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(93, 207, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 207, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 207, 205);  
box-shadow:4px 4px 4px 4px rgb(93, 207,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8465, 51.3606, 65.6765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 207, 205) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(93, 207,  
205) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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